

**What is claimed is:**

1. A multi-color chemiluminescent light device, comprising:
  - a rigid inner tube defining an inner chamber;
  - a flexible, transparent or translucent outer container with two or more construction parts;
  - a chemiluminescent oxalate component with fluorescer; and
  - a peroxide component;

wherein one of said construction parts of said outer container incorporates no fluorescer;

10 one of the other of said construction parts of the said outer container incorporates fluorescer having emission maximum at a relatively longer wavelength than that of said fluorescer in said chemiluminescent oxalate component and has an absorption spectrum overlapping a substantial portion of the emission spectrum of said fluorescer in said chemiluminescent oxalate component;

15 said flexible, transparent or translucent outer container and said rigid inner tube defines an outer chamber therebetween; and

said chemiluminescent oxalate component with fluorescer is sealed in said inner chamber and said peroxide component is placed in said outer chamber, or in a reverse order, said chemiluminescent oxalate component with fluorescer is placed in said outer chamber and said peroxide component is sealed in said inner chamber.

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2. A multi-color chemiluminescent light device as claimed in claim 1, wherein said fluorescer in said chemiluminescent oxalate component is selected from a group consisting of 9,10-diphenylanthracene, 9,10-bis (4-ethoxyphenyl)-2-chloroanthracene, and 9,10-bis(4-methoxyphenyl)-2-chloroanthracene and said

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fluorescer in said construction parts of said outer container is selected from a group consisting of 9,10-bis(phenylethynyl)anthracene, 1-chloro-9,10-bis(phenylethynyl)anthracene, 1,5-dichloro-9,10-bis(phenyl-ethynyl)anthracene, 1,8-dichloro-9,10-bis(phenyl- ethynyl)anthracene, Aurora Pink ZQ-11, Neon Red 5 ZQ-12, Rocket Red ZQ-13, Rhodamine B, Fire Orange ZQ-14, Blaze Orange ZQ-15, Arc Yellow ZQ-16, Saturn Yellow ZQ-17 and Signal Green ZQ-18.

3. A multi-color chemiluminescent light device as claimed in claim 1, wherein said fluorescer in said chemiluminescent oxalate component is selected from a group consisting of 9,10-bis(phenylethynyl)anthracene, 10 1-chloro-9,10-bis(phenyl-ethynyl)anthracene, 1,5-dichloro-9,10-bis(phenyl-ethynyl)anthracene, 1,8-dichloro- 9,10-bis(phenylethynyl)anthracene and said fluorescer in said construction parts of said outer container is selected from a group consisting of Aurora Pink ZQ-11, Neon Red ZQ-12, Rocket Red ZQ-13, Rhodamine B, Fire Orange ZQ-14 and Blaze Orange ZQ-15.

15 4. A multi-color chemiluminescent light device, comprising:  
a rigid inner tube defining an inner chamber;  
a flexible, transparent or translucent outer container with two or more construction parts;

20 a chemiluminescent oxalate component with fluorescer therein; and  
a peroxide component;  
wherein all of said construction parts of said outer container incorporate fluorescers having emission maximum at a longer wavelength than that of said fluorescer in said chemiluminescent oxalate component and have an absorption spectrum overlapping a substantial portion of the emission spectrum of said 25 fluorescer in said chemiluminescent oxalate component;

a type of said fluorescer or an incorporation ratio of at least one of said construction parts of said outer container is different from those of the other of said construction parts .

5        said flexible, transparent or translucent outer container and rigid inner tube  
defines an outer chamber therebetween; and

10      said chemiluminescent oxalate component with fluorescer is sealed in said inner chamber and said peroxide component is placed in said outer chamber, or in a reverse order, said chemiluminescent oxalate component with fluorescer is placed in said outer chamber and said peroxide component is sealed in said inner chamber.

5. A multi-color chemiluminescent light device as claimed in claim 4, wherein said fluorescer in said chemiluminescent oxalate component is selected from a group consisting of 9,10-diphenylanthracene, 9,10-bis(4-ethoxyphenyl)-2-chloroanthracene, 9,10-bis(4-methoxyphenyl)-2-chloroanthracene and said 15 fluorescers in said construction parts of said outer container are selected from a group consisting of 9,10-bis(phenyl-ethynyl)anthracene, 1-chloro-9,10-bis(phenylethynyl)anthracene, 1,5-dichloro-9,10-bis(phenylethynyl)anthracene, 8-dichloro-9,10-bis(phenylethynyl)anthracene, Aurora Pink ZQ-11, Neon Red ZQ-12, Rocket Red ZQ-13, Rhodamine B, Fire Orange ZQ-14, Blaze Orange 20 ZQ-15, Arc Yellow ZQ-16, Saturn Yellow ZQ-17 and Signal Green ZQ-18.

6. A multi-color chemiluminescent light device as claimed in claim 4, wherein said fluorescer in said chemiluminescent oxalate component is selected from a group consisting of 9,10-bis(phenylethynyl)anthracene, 1-chloro-9,10-bis(phenyl-ethynyl)anthracene, 1,5-dichloro-9,10-bis(phenylethynyl)anthracene, 25 1,8-dichloro-9,10-bis(phenylethynyl)anthracene and said fluorescers in said

construction parts of said outer container are selected from a group consisting of Aurora Pink ZQ-11, Neon Red ZQ-12, Rocket Red ZQ-13, Rhodamine B, Fire Orange ZQ-14 and Blaze Orange ZQ-15.